ABSTRACT

A fusion implant apparatus for facilitating fusion of bone structures includes an implant member for positioning between opposed bone structures having a first ring-like segment and a second ring-like segment which engage one another in an end-to-end manner. Each ring-like segment includes an outer wall which defines an internal cavity for the reception of bone growth inducing substances. Each ring-like segment also includes a plurality of apertures which extend through the outer wall of the ring-like segments in communication with the internal cavity to permit fusion of vertebral bone tissue. The first ring-like segment includes first and second mechanical interfaces. The first mechanical interface is dimensioned to engage a corresponding mechanical interface disposed on the second ring-like segment and the second mechanical interface is dimensioned to mechanically engage an end cap.